



Dimension: 199 × 99 × 48mm

Features:

- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- Protections : short circuit/over load/over voltage/over temp
- Cooling by free air convection
- Built-in speed control
- Built-in power factor correction, PF> 0.95
- LED indicator for power on
- 100% full load burn-in test
- 2 Years warranty

CE

SPECIFICATION

Model		SP-200-5	SP-200-12	SP-200-15	SP-200-24
Output	DC voltage	5V	12V	15V	24V
	Voltage tolerance	± 1%	± 1%	± 1%	± 1%
	Rated current	40A	16.7A	13.3A	8.4A
	Current range	0 ~ 40A	0 ~ 16.7A	0 ~ 13.3A	0 ~ 8.4A
	Rated power	200W	200.4W	199.5W	201.6W
	Ripple&noise	150mVp-p	150mVp-p	180mVp-p	200mVp-p
	DC voltage ADJ. range	± 10%	± 10%	± 10%	± 10%
Setup, rise, hold up time		800ms,50ms,20ms/230VAC.1200ms,50ms,20ms/115VAC			
Input	Voltage range	90 ~ 263VAC 47 ~ 63Hz, 125 ~ 370VDC			
	AC current	3.5A/115VAC, 1.7A/230VAC			
	Efficiency	80%	86%	86%	88%
	Inrush current	Cold start 25A/115VAC,40A/230VAC			
	leakage current	< 2mA/240VAC			
	Power Factor	PF>0.95/230VAC,PF>0.98/115VAC,Output full load			
Protection	Overload	Rated output power115% ~ 150%Start overload protection			
		Protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over voltage	6.8 ~ 8.2V	15.6 ~ 18.6V	18.6 ~ 21.8V	30.8 ~ 33.6V
		Protection type: hiccup mode, auto-recovery after fault condition is removed			
	Over temperature	≥95℃ ± 5℃(TSW1detect on heatsink of power transistor)			
Environment	Working temp, humidity	-20℃ ~ +60℃;20% ~ 90%RH(Please refer to "derating curve")			
	Storage temp, humidity	-40℃ ~ +85℃;10% ~ 95%RH Non-condensing			
	Withstand vibration	10 ~ 500Hz, 2G 10min./1Cycle, Period for 60min, Each axes			
	Withstand voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC			
Safety	Isolation resistance	I/P-O/P: I/P-FG,O/P-FG: 100M Ohms/500VDC			
	Safety standard	Fit UL1012			
Fit standard	EMC Standard	Fit EN55022, CLASSA			
	Weight	0.70kg 199*99*48mm (L*W*H)			
Others	Packing	0.70kg/24pcs/20kg			

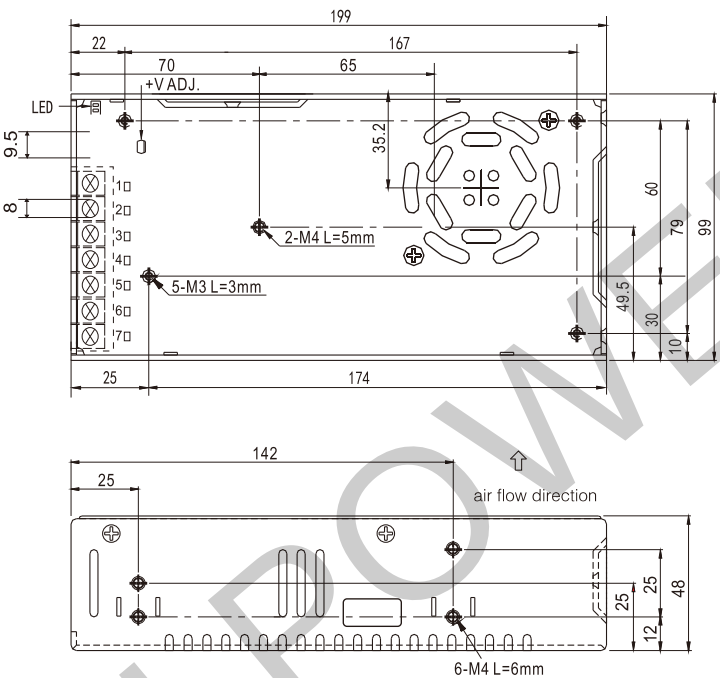
Note: 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature.

2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.

3. Tolerance : includes set up tolerance, line regulation and load regulation.

Mechanical specification

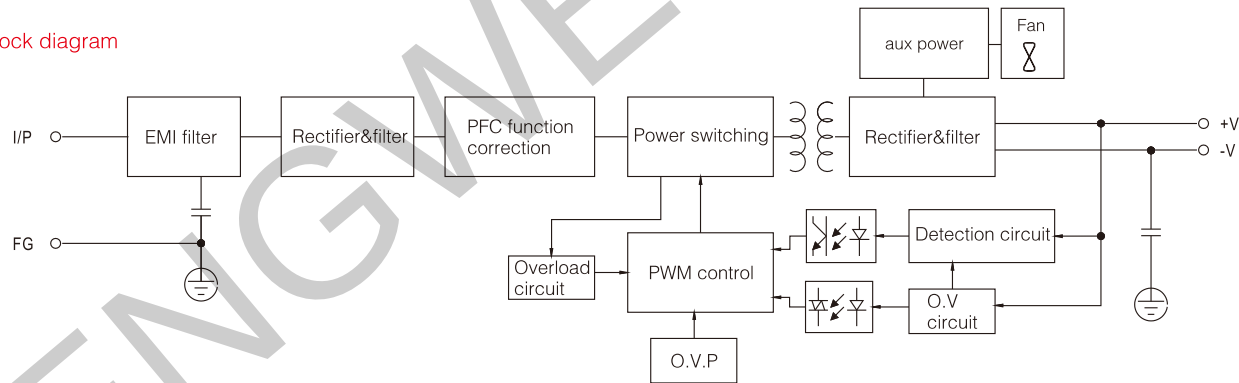
Unit:mm



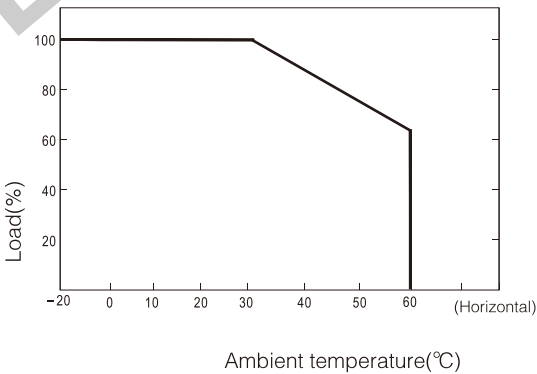
Terminal Pin No.Assignment

Pin No.	Assignment	Pin No.	Assignment
7	AC/L	3~4	DC OUTPUT -V
6	AC/N	1~2	DC OUTPUT +V
5	FG $\perp$		

Block diagram



Derating curve



Static characteristic

